



US005905248A

United States Patent [19][11] **Patent Number:** **5,905,248**

Russell et al.

[45] **Date of Patent:** **May 18, 1999**

[54] **SYSTEM AND METHOD FOR CARRYING OUT INFORMATION-RELATED TRANSACTIONS USING WEB DOCUMENTS EMBODYING TRANSACTION ENABLING APPLETS AUTOMATICALLY LAUNCHED AND EXECUTED IN RESPONSE TO READING URL-ENCODED SYMBOLS POINTING THERETO**

continuation-in-part of application No. 08/753,367, Nov. 25, 1996.

[51] **Int. Cl.⁵** G06K 7/10
 [52] **U.S. Cl.** 235/462; 235/472
 [58] **Field of Search** 235/380, 381, 235/388, 388.5, 492, 462, 472, 475, 470, 469

[75] **Inventors:** **Garrett Russell**, Newark, Del.; **David M. Wilz, Sr.**, Sewell; **Carl Harry Knowles**, Morristown, both of N.J.

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,490,217 2/1996 Wang et al. 380/51
 5,600,253 2/1997 Cohen et al. 324/644
 5,635,694 6/1997 Tuhro 235/375
 5,640,193 6/1997 Wellner 348/7

[73] **Assignee:** **Metrologic Instruments, Inc.**, Blackwood, N.J.

Primary Examiner—Thien Minh Le
Attorney, Agent, or Firm—Thomas J. Perkowski, Esq.

[21] **Appl. No.:** **08/916,694**

[57] **ABSTRACT**

[22] **Filed:** **Aug. 22, 1997**

Related U.S. Application Data

[63] Continuation-in-part of application No. 08/905,903, Aug. 4, 1997, application No. 08/869,164, Jun. 4, 1997, application No. 08/846,219, Apr. 25, 1997, application No. 08/838,501, Apr. 7, 1997, application No. 08/645,331, Sep. 24, 1996, application No. 08/615,054, Mar. 12, 1996, application No. 08/573,949, Dec. 18, 1995, application No. 08/292,237, Aug. 17, 1994, Pat. No. 5,767,499, application No. 08/365,193, Dec. 28, 1994, Pat. No. 5,557,093, application No. 08/293,493, Aug. 19, 1994, Pat. No. 5,525,789, application No. 08/561,479, Nov. 20, 1995, Pat. No. 5,661,292, application No. 08/278,109, Nov. 24, 1993, Pat. No. 5,484,992, application No. 08/489,305, Jun. 9, 1995, abandoned, application No. 08/476,069, Jun. 7, 1995, Pat. No. 5,591,953, and application No. 08/584,135, Jan. 11, 1996, Pat. No. 5,616,908, which is a continuation of application No. 08/651,951, May 21, 1996, which is a continuation of application No. 08/489,305, Jun. 9, 1995, abandoned, which is a continuation of application No. 07/821,917, Jan. 16, 1992, abandoned, which is a continuation-in-part of application No. 07/583,421, Sep. 17, 1990, Pat. No. 5,260,553, and application No. 07/580,740, Sep. 11, 1990, abandoned, said application No. 08/838,501, is a continuation-in-part of application No. 08/820,540, Mar. 19, 1997, which is a

A novel transaction-enabling method and system are disclosed, wherein a transaction-enabling Java-Applet is embedded within an HTML-encoded document stored in an HTTP server at predetermined URL. When a code symbol (e.g., magstripe or bar code) encoded with the URL is read using a code symbol reader interfaced with a Java-enabled Internet terminal, the corresponding HTTP document is automatically accessed and displayed at the terminal, and the transaction-enabling Java-Applet initiated for execution so that the customer, consumer or client desiring the transaction can simply and conveniently conduct the information-related transaction over the Internet. The transaction-enabling Internet terminal can be in the form of an Internet kiosk installed in a public location, in the manner as conventional ATMs. By virtue of the present invention, universal transaction machine (UTMs) can be easily deployed for use by the mass population so that they can easily conduct various types of transaction over the Internet.

22 Claims, 12 Drawing Sheets

